

IN THE CLAIMS:

The following is a complete listing of the claims, and replaces all earlier version and listings.

Claim 1 (previously presented): A data processing apparatus capable of performing data communication with various peripheral devices connected on a predetermined communication medium, comprising:

obtaining means for obtaining, via the predetermined communication medium, present peripheral device information including connection information and status information about the peripheral devices;

system display means for displaying a system configuration on a display with icons based on the present peripheral device information obtained by said obtaining means via the predetermined communication medium;

designation means for designating a combination of any of the icons displayed on the display based on the obtained present peripheral device information;

setup screen display means for displaying on the display a setup screen for the combined functions based on the combination designated by said designation means if the combined functions are determined to be valid; and

control means for controlling the peripheral devices designated by said designation means in order to execute the combined functions in response to an execution instruction,

wherein said control means further controls the peripheral devices based on a parameter input in the setup screen displayed by said setup screen display means.

Claims 2 and 3 (canceled)

Claim 4 (previously presented): The data processing apparatus according to claim 1, wherein:

when an icon representing a scanner and an icon representing a printer are designated by said designation means, said control means causes image data to be input to the scanner, the image data to be transferred from the scanner to the printer, and the image data to be output on the printer.

Claim 5 (canceled)

Claim 6 (previously presented): The data processing apparatus according to claim 1, wherein, when icons are designated by said designation means, said system display means modifies the appearance of the designated icons distinguishably from the other icons.

Claim 7 (previously presented): The data processing apparatus according to claim 1, wherein, when an icon representing a scanner and an icon representing a printer are designated by said designation means, said system display means causes an image to be displayed on the display, the image indicating that data is being transferred from the scanner to the printer.

Claim 8 (previously presented): The data processing apparatus according to claim 1, further comprising parameter determination means for determining a parameter

involving the combined functions based on information about the function of peripheral devices according to the combination of icons designated by said designation means.

Claim 9 (previously presented): The data processing apparatus according to claim 8, wherein said setup screen display means causes the setup screen to be displayed on the display based on the parameter determined by said parameter determination means.

Claim 10 (previously presented): The data processing apparatus according to claim 8, wherein, when an icon representing a scanner and an icon representing a printer are designated by said designation means, said parameter determination means determines the resolution of a copy function based on the resolution of the scanner and the resolution of the printer.

Claim 11 (currently amended): The data processing apparatus according to claim 8, wherein, when an icon representing a scanner and an icon representing a printer are designated by said designation means, said parameter determination means determines which of the two copying modes, color or monochrome, is to be performed.

Claim 12 (previously presented): The data processing apparatus according to claim 8, wherein, when an icon representing a scanner and an icon representing a printer are designated by said designation means, said parameter determination means determines a paper size.

Claim 13 (previously presented): The data processing apparatus according to claim 1, wherein said obtaining means obtains information about the function of the peripheral device.

Claim 14 (previously presented): The data processing apparatus according to claim 1, wherein plural other data processing apparatuses capable of performing data communication with said data processing apparatus are connected to the predetermined communication medium.

Claim 15 (previously presented): The data processing apparatus according to claim 14, wherein any of the plurality of data processing apparatus is assigned as a management server.

Claim 16 (previously presented): The data processing apparatus according to claim 15, wherein said obtaining means obtains the connection information and the status information from the management server.

Claim 17 (previously presented): The data processing apparatus according to claim 1, wherein the peripheral devices include a printer.

Claim 18 (previously presented): The data processing apparatus according to claim 1, wherein the peripheral devices include a facsimile.

Claim 19 (previously presented): The data processing apparatus according to claim 1, wherein the peripheral devices include a digital copier.

Claim 20 (previously presented): The data processing apparatus according to claim 1, wherein the peripheral devices include a scanner.

Claim 21 (previously presented): A data processing method in a data processing apparatus capable of performing data communication with various peripheral devices connected to a predetermined communication medium, comprising the steps of:

obtaining, via the predetermined communication medium, present peripheral device information including connection information and status information about the peripheral devices;

displaying a system configuration on a display with icons based on the present peripheral device information obtained in said obtaining step via the predetermined communication medium;

designating a combination of any of the icons displayed on in display based on the obtained present peripheral device information;

displaying on the display a setup screen for the combined functions based on the combination designated in said designation step if the combined functions are determined to be valid; and

controlling the peripheral devices designated in said designation step in order to execute the combined functions in response to an execution instruction,

wherein said control step includes controlling the peripheral devices based on a parameter input in the setup screen displayed in said setup screen display step.

Claims 22 and 23 (canceled)

Claim 24 (previously presented): The data processing method according to claim 21, wherein, when an icon representing a scanner and an icon representing a printer are designated in said designation step, said control step includes causing image data to be input to the scanner, the image data to be transferred from the scanner to the printer, and the image data to be output on the printer.

Claim 25 (canceled)

Claim 26 (previously presented): The data processing method according to claim 21, wherein, when icons are designated in said designation step, said system display step includes modifying the appearance of the designated icons distinguishably from the other icons.

Claim 27 (previously presented): The data processing method according to claim 21, wherein, when an icon representing a scanner and an icon representing a printer are designated in said designation step, said system display step includes causing an image to be displayed on the display, the image indicating that data is being transferred from the scanner to the printer.

Claim 28 (previously presented): The data processing method according to claim 21, further comprising the step of determining a parameter involving the combined

functions based on information about the function of peripheral devices according to the combination of icons designated in said designation step.

Claim 29 (currently amended): The data processing method according to claim 28, wherein said setup screen display step includes ~~causing~~ causing the setup screen to be displayed on the display based on the parameter determined in said parameter determination step.

Claim 30 (previously presented): The data processing method according to claim 28, wherein, when an icon representing a scanner and an icon representing a printer are designated in said designation step, said parameter determination step includes determining the resolution of a copy function based on the resolution of the scanner and the resolution of the printer.

Claim 31 (currently amended): The data processing method according to claim 28, wherein, when an icon representing a scanner and an icon representing a printer are designated in said designation step, said parameter determination step includes determining which of the two copying modes, color or monochrome, is to be performed.

Claim 32 (previously presented): The data processing method according to claim 28, wherein, when an icon representing a scanner and an icon representing a printer are designated in said designation step, said parameter determination step includes determining a paper size.

Claim 33 (previously presented): The data processing method according to claim 21, wherein said obtaining step includes obtaining information about the function of the peripheral device.

Claim 34 (previously presented): The data processing method according to claim 21, wherein plural other data processing apparatuses capable of performing data communication with the data processing apparatus are connected to the predetermined communication medium.

Claim 35 (previously presented): The data processing method according to claim 34, wherein any of the plurality of data processing apparatuses is assigned as a management server.

Claim 36 (previously presented): The data processing method according to claim 35, wherein said obtaining step includes obtaining the connection information and the status information from the management server.

Claim 37 (previously presented): The data processing method according to claim 21, wherein the peripheral devices include a printer.

Claim 38 (previously presented): The data processing method according to claim 21, wherein the peripheral devices include a facsimile.



Claim 39 (previously presented): The data processing method according to claim 21, wherein the peripheral devices include a digital copier.

Claim 40 (previously presented): The data processing method according to claim 21, wherein the peripheral devices include a scanner.

Claim 41 (currently amended): A computer-readable memory medium which stores a program for a data processing apparatus capable of performing data communication with various peripheral devices connected to a predetermined communication medium, the program comprising the steps of:

code for obtaining, via the predetermined communication medium present peripheral device information including connection information and status information about the peripheral devices;

code for displaying a system configuration on a display with icons based on the present peripheral device information obtained in said obtaining step via the predetermined communication medium;

code for designating a combination of any of the icons displayed on the display via the predetermined communication medium;

code for displaying on the display a setup screen for the combined functions based on the combination designated in said designation step if the combined functions are determined to be valid; and

code for controlling the peripheral devices designated in said designation step in order to execute the combined functions in response to an execution instruction,

wherein said code for controlling controls ~~includes controlling~~ the peripheral devices based on a parameter input in the setup screen displayed in said setup screen display step.

Claims 42 and 43 (canceled)

Claim 44 (previously presented): The memory medium according to claim 41, wherein, when an icon representing a scanner and an icon representing a printer are designated in said designation step, said control step includes causing image data to be input to the scanner, the image data to be transferred from the scanner to the printer, and the image data to be output on the printer.

Claim 45 (previously presented): The memory medium according to claim 83, wherein said system display step includes modifying the appearance of the icons designated in said designation step distinguishably from the other icons, if the combined functions are determined to be valid in said determination step.

Claim 46 (previously presented): The memory medium according to claim 41, wherein, when icons are designated in said designation step, said system display step includes modifying the appearance of the designated icons distinguishably from the other icons.

Claim 47 (previously presented): The memory medium according to claim 41, wherein, when an icon representing a scanner and an icon representing an printer are

designated in said designation step, said system display step includes modifying an image to be displayed on the display, the image indicating that data is being transferred from the scanner to the printer.

Claim 48 (previously presented): The memory medium according to claim 41, the program further comprising code for determining a parameter involving the combined functions based on information about the function of peripheral devices according to the combination of icons designated in said designation step.

Claim 49 (previously presented): The memory medium according to claim 48, wherein said setup screen display step includes causing the setup screen to be displayed on the display based on the parameter determined in said parameter determination step.

Claim 50 (previously presented): The memory medium according to claim 48, wherein, when an icon representing a scanner and an icon representing a printer are designated in said designation step, said parameter determination step includes determining the resolution of a copy function based on the resolution of the scanner and the resolution of the printer.

Claim 51 (currently amended): The memory medium according to claim 48, wherein, when an icon representing a scanner and an icon representing a printer are designated in said designation step, said parameter determination step includes determining which of the two copying modes, color or monochrome, is to be performed.

Claim 52 (previously presented): The memory medium according to claim 48, wherein, when an icon representing a scanner and an icon representing a printer are designated in said designation step, said parameter determination step includes determining a paper size.

Claim 53 (previously presented): The memory medium according to claim 41, wherein said obtaining step includes obtaining information about the function of the peripheral device.

Claim 54 (previously presented): The memory medium according to claim 41, wherein plural other data processing apparatuses capable of performing data communication with the data processing apparatus are connected to the predetermined communication medium.

Claim 55 (previously presented): The memory medium according to claim 54, wherein any of the plurality of data processing apparatuses is assigned as a management server.

Claim 56 (previously presented): The memory medium according to claim 55, wherein said obtaining step includes obtaining the connection information and the status information from the management server.

Claim 57 (previously presented): The memory medium according to claim 41, wherein the peripheral devices include a printer.

Claim 58 (previously presented): The memory medium according to claim 41, wherein the peripheral devices include a facsimile.

Claim 59 (previously presented): The memory medium according to claim 41, wherein the peripheral devices include a digital copier.

Claim 60 (previously presented): The memory medium according to claim 41, wherein the peripheral devices include a scanner.

Claims 61-80 (canceled)

Claim 81 (currently amended): The apparatus according to claim 1, further comprising determination means for determining whether the combined functions based on the combination of icons designated by said designating means [[is]] are valid or not.

Claim 82 (currently amended): The method according to claim 21, further comprising the step of determining whether the combined functions based on the combination of icons designated in said designating step [[is]] are valid or not.

Claim 83 (currently amended): The memory medium according to claim 41, further comprising code for determining whether the combined functions based on the combination of icons designated in said designating step [[is]] are valid or not.

Claim 84 (new): The method according to claim 82, wherein said system display step includes modifying the appearance of the icons designated in said designation step distinguishably from the other icons, if the combined functions are determined to be valid in said determination step.

Claim 85 (new): The apparatus according to claim 81, wherein said system display means modifies the appearance of the icons designated by said designation means distinguishably from the other icons, if the combined functions are determined to be valid by said determination means.